## **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	11	("20020140441" "20020185938" "200 30146956" "20040145273" "20050186 117" "5022258" "5195046" "5517845"  "6428134" "6950640" "6993812").PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 15:42
L2	12	waveform with optimiz\$5 with pump	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 15:42
L1	39	("20020140441" "20020185938" "200 30146956" "20040000843" "20040021 398" "20040145273" "20050186117" " 3936342" "4034780" "4095615" "4859 530" "4939405" "5022258" "5049421"  "5084345" "5195046" "5271724" "54 71721" "5517845" "5632841" "575901 5" "5849125" "5876187" "5945768" "6 033191" "6042345" "6060811" "60710 87" "6071088" "6104127" "6109889" " 6162313" "6179584" "6213735" "6227 809" "6227824" "6428134" "6950640"  "6993812").PN.	US-PGPUB; USPAT	OR	ON	2006/10/10 15:07
S19	1	("6925810").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/13 08:54
S18	1	S16 and burner	US-PGPUB; USPAT	OR	ON	2006/04/13 08:54
S17	1	S16 and (fuel with meter\$4)	US-PGPUB; USPAT	OR	ON	2006/04/12 16:11
S16	1	("20040134194").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/12 16:07
S15	1	("6616413").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/12 16:07
S14	1	("6368081").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/12 14:44
S13	1	("6688379").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/11 15:08
S12	5	(("6071088") or ("4939405") or ("6104127") or ("20040000843") or ("20040018100")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/10 10:59
S11	259	S10 not S1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 15:19
S10	273	S8 and ((piezoelectric\$3) or (piezo-electric\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 15:19
S9	15721	S8 and (piezoelectric\$3) or (piezo-electric\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 15:13

## **EAST Search History**

S8	398	(417/322,413.2).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/07 15:12
S7	292	(417/322,413.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/04/07 15:12
S6	0	417/322,413.2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/07 15:12
S5	6	S2 and pump	US-PGPUB; USPAT	OR	ON	2006/04/07 15:11
S4	1	S2 and piezo and pump	US-PGPUB; USPAT	OR	ON	2006/04/07 14:13
S3	5	S2 and piezoelectric	US-PGPUB; USPAT	OR	ON	2006/04/07 14:13
S2	6	(US-20040021398-\$ or US-20040018100-\$ or US-20040000843-\$).did. or (US-6104127-\$ or US-6071088-\$ or US-4939405-\$).did.	US-PGPUB; USPAT	OR	ON	2006/04/07 13:47
S1	37	("20040000843" "20040018100" "200 40021398" "20050244288" "3936342"  "4034780" "4095615" "4853579" "48 59530" "4939405" "5049421" "507084 8" "5084345" "5271724" "5471721" "5 632841" "5759015" "5849125" "58761 87" "5945768" "6033191" "6042345" " 6060811" "6071087" "6071088" "6104 127" "6109889" "6162313" "6179584"  "6213735" "6227809" "6227824" "62 29245" "6246152" "6411009" "665997 8" "6969941").PN.	US-PGPUB; USPAT	OR	ON	2006/04/07 13:40